

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Esmail Hassanpour

GENERAL INFORMATION:

Name:	Cox Interior, Inc.
Address:	1751 Old Columbia Road, Campbellsville, Kentucky 42718
Date application received:	May 19, 2005
SIC/Source description:	2431/Millwork
Source ID #:	21-217-00027
AI #	4001
Activity ID #:	APE20050004
Permit #:	V-02-042 R1

APPLICATION TYPE/PERMIT ACTIVITY:

<input type="checkbox"/> Initial issuance	<input type="checkbox"/> General permit
<input checked="" type="checkbox"/> Permit modification	<input type="checkbox"/> Conditional major
___Administrative	<input checked="" type="checkbox"/> Title V
__x_Minor	<input type="checkbox"/> Synthetic minor
___Significant	<input checked="" type="checkbox"/> Operating
<input type="checkbox"/> Permit renewal	<input type="checkbox"/> Construction/operating

COMPLIANCE SUMMARY:

<input type="checkbox"/> Source is out of compliance	<input type="checkbox"/> Compliance schedule included
<input checked="" type="checkbox"/> Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> NSR	<input type="checkbox"/> NSPS	<input checked="" type="checkbox"/> SIP
<input type="checkbox"/> PSD	<input type="checkbox"/> NESHAPS	<input type="checkbox"/> Other
<input type="checkbox"/> Netted out of PSD/NSR	<input type="checkbox"/> Not major modification per 401 KAR 51:017, 1(2)(b) or 51:052,1(14)(b)	

MISCELLANEOUS:

- ☐ Acid rain source
- ☐ Source subject to 112(r)
- ☐ Source applied for federally enforceable emissions cap
- ☐ Source provided terms for alternative operating scenarios
- ☐ Source subject to a MACT standard
- ☐ Source requested case-by-case 112(g) or (j) determination
- ☐ Application proposes new control technology
- ☒ Certified by responsible official
- ☒ Diagrams or drawings included
- ☐ Confidential business information (CBI) submitted in application
- ☐ Pollution Prevention Measures
- ☐ Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM	67.97	67.97
PM10	63.00	63.00
NOx	90.29	90.29
CO	211.6	211.6
VOC	43.18	45.00
SO2	6.86	6.86
HAPS (Single)_	<9	<9
HAPS(Combine)	<22.5	<22.5

CURRENT PERMITTING ACTION, MINOR PERMIT V-02-042:

An application for a minor revision to Permit V-02-042 was received from Cox Interior, Inc. on May 19, 2005. The request was for an increase in the maximum operating limitations for Emission Unit 03, Surface Coating Operation, since the associated substance 2-Butoxyethanol (EGBE) CAS#111-76-2 has been delisted from the Hazardous Air Pollutant category (Letter submitted May 19, 2005). The source also requested to delete emission unit 04, 9.572 mmBtu/hr Wood-fired Indirect Heat Exchanger from their title V permit, because it has been decommissioned (Letter submitted February 8, 2006).

This permit also incorporates off-permit and 502 (b) (10) changes, which Cox Interior, Inc. has undertaken since the original Title V permit was issued (Letters Submitted, August 3, 2005, February 23, 2006, and March 8, 2006).

PAST PERMITTING ACTION, INITIAL SOURCEWIDE PERMIT V-02-042:

A TV operating permit application was received from Cox Interior, Inc. on December 10, 1998. The application was deemed administratively complete on February 01, 1999. The facility currently operates under permit numbers O-90-015, C-93-154, S-94-123, S-96-036, S-96-244, S-98-007, and F-96-02 (Revision 1). Cox Interior, Inc. is an existing source with wood handling system, surface

coating, indirect heat exchangers and millwork facilities and makes wood products in Taylor County, Kentucky. The plant processes lumber, which is inspected to determine grade and then dried in a kiln. The dried lumber is taken to the planer operation for both sides to be surfaced. From this operation, eight inch and wider boards are separated as clear and common grade and pulled into stacks. Clear boards are either taken to the glue room or processed through the moulder. Common boards are sent to the chopsaw department to be crosscut into several parts. These parts are then distributed to the Finger Joint department, Glue department, or the Moulders.

Finger jointed boards are separated into two grades, clear and gang-rip, and stacked accordingly. The clear boards are taken to the moulders and processed into several patterns and the gang-rip boards are taken to a rip saw to be sized and processed through the glue room, rip saw, planer and moulder.

The glue department either face or edge glues boards, which are then sent to either the door department for door parts, woodmont for stair parts, arch department for arches, or special mill for mantels, circular stairs, and other custom patterns.

The moulder department processes board into 150 stock and custom patterns. The finger jointed moulded patterns are transferred to the priming department and the clear moulded patterns are transferred to the warehouse, placed in inventory, and shipped. Doors, stair parts, and some custom parts would also go the priming department.

Other finished parts are wrapped and/or boxed and transferred to shipping.

Wood waste is transferred to handling, processing, and storage facilities, which consist of baghouses, cyclones, duct work, designated buildings, tractor trailers, sawdust shakers, augers, balers, and storage silos. These facilities prepare and store the waste for use as fuel in the indirect heat exchangers or as animal bedding product.

EMISSION AND OPERATING CAPS DESCRIPTION:

Sourcewide VOC emissions shall not equal or exceed 45 tons per year, and Hazardous Air Pollutant (HAP) emissions shall not equal or exceed 9 tons per year of a single HAP nor 22.5 tons per year of any combination of HAPs to preclude the applicability of 40 CFR 63, Subpart QQQQ, National Emission Standard for Hazardous Air Pollutants: Surface coating of wood building products and 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants: Industrial, Commercial, and Institutional Boilers and Process Heaters.

Please see the permit for additional emission caps and operating scenarios

OPERATIONAL FLEXIBILITY:

NA